

## Claims

1. A method for determining whether a test compound is potentially capable of affecting cell division, said method comprising:

a) contacting said test compound with ER beta and MAD2, or binding fragments thereof, under conditions in which ER beta and MAD2 or fragments have formed, or are able to form, a complex, and

b) determining whether said test compound affects the ER beta/MAD2 complex or complex formation, as an indication that said test compound is potentially capable of affecting cell division.

2. The method of claim 1, wherein said MAD2 is clone EC1.

3. The method of claim 1, wherein said determining is done *in vitro*.

4. The method of claim 1, wherein said determining is done *in vivo*.

5. The method of claim 1, wherein said determining is done using a yeast two-hybrid system.

6. The method of claim 1, wherein said determining is done by GST-fusion protein

add B4 interaction assay.

7. The method of claim 1, wherein said determining is done by fluorescence spectroscopy.

8. The method of claim 1, wherein said determining is done by biomolecular interaction analysis.

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